

08/27/03

Please type a plus sign (+) inside this box



PTO/SB/05 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	01925-P0216A
First Inventor	Robert L. Koelzer, et al.
Title	Pump Valve Assembly
Express Mail Label No.	EL 889849557US

22388 U.S. PTO
10/648881
08/27/03**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status
See 37 CFR 1.27.
3. Specification [Total Pages 18]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims(s)
 - Abstract of the Disclosure
4. Drawings(s) (35 USC 113) [Total Sheets 5]
5. Oath or Declaration [Total Pages 2]
 - a. New executed (original or copy)
 - b. Copy from prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventors(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Commissioner for Patents
Mail Stop Patent Application
Alexandria, VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 of its equivalent.
17. Other.....

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part of prior application No.:

Prior application information: Examiner Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number of Bar Code Label	24126 <small>Insert Customer No. or Attach bar code label here.</small>		<input checked="" type="checkbox"/> Correspondence address below
Name	Wesley W. Whitmyer, Jr.		
Address	St. Onge Steward Johnston & Reens LLC 986 Bedford Street		
City	Stamford	State	CT
Country	United States	Zip Code	06905-5619

Name (Print/Type)	Wesley W. Whitmyer, Jr.	Registration No. (Attorney/Agent)	33,558
Signature			Date 8/26/2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce; P.O. Box 1450; Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop CPA; Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450.

02570
08/27/03
U.S. PTO

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT	(\$)	790.00	Attorney Docket Number	01925-P0216A WWW/DWA
-------------------------	------	--------	------------------------	----------------------

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																																																																																															
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:</p> <p>Deposit Account Number 19-4516</p> <p>Deposit Account Name St.Onge Steward Johnston & Reens LLC</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing for or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner Action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>410</td><td>216</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>930</td><td>217</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,450</td><td>218</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,970</td><td>228</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,300</td><td>241</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,300</td><td>242</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>470</td><td>243</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>630</td><td>244</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of informational Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per Property (times number of properties)</td><td>40.00</td></tr> <tr><td>146</td><td>750</td><td>246</td><td>375</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>750</td><td>249</td><td>375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>750</td><td>279</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr> <td colspan="4">SUBTOTAL (2) (\$)</td> <td colspan="2">SUBTOTAL (3) (\$)</td> </tr> <tr> <td colspan="6"> <p>* Reduced by Basic Filing Fee paid</p> <p>SUBMITTED BY St.Onge Steward Johnston & Reens LLC Complete (if applicable)</p> <table border="1"> <tr> <td>Name (Print Type)</td> <td>Wesley W. Whitmyer, Jr.</td> <td>Registration No. (Attorney/Agent)</td> <td>33,558</td> <td>Telephone</td> <td>203 324-6155</td> </tr> <tr> <td>Signature</td> <td colspan="3"></td> <td>Date</td> <td>8/26/2003</td> </tr> </table> </td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Entity Fee (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing for or oath		127	50	227	25	Surcharge - late provisional filing or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for ex parte reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840	Requesting publication of SIR after Examiner Action		115	110	215	55	Extension for reply within first month		116	410	216	205	Extension for reply within second month		117	930	217	465	Extension for reply within third month		118	1,450	218	725	Extension for reply within fourth month		128	1,970	228	985	Extension for reply within fifth month		119	320	219	160	Notice of Appeal		120	320	220	160	Filing a brief in support of an appeal		121	280	221	140	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,300	241	650	Petition to revive - unintentional		142	1,300	242	650	Utility issue fee (or reissue)		143	470	243	235	Design issue fee		144	630	244	315	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(q)		126	240	126	240	Submission of informational Disclosure Stmt		581	40	581	40	Recording each patent assignment per Property (times number of properties)	40.00	146	750	246	375	Filing a submission after final rejection (37 CFR § 1.129(a))		149	750	249	375	For each additional invention to be examined (37 CFR 1.129(b))		179	750	279	375	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application		Other fee (specify) _____						SUBTOTAL (2) (\$)				SUBTOTAL (3) (\$)		<p>* Reduced by Basic Filing Fee paid</p> <p>SUBMITTED BY St.Onge Steward Johnston & Reens LLC Complete (if applicable)</p> <table border="1"> <tr> <td>Name (Print Type)</td> <td>Wesley W. Whitmyer, Jr.</td> <td>Registration No. (Attorney/Agent)</td> <td>33,558</td> <td>Telephone</td> <td>203 324-6155</td> </tr> <tr> <td>Signature</td> <td colspan="3"></td> <td>Date</td> <td>8/26/2003</td> </tr> </table>						Name (Print Type)	Wesley W. Whitmyer, Jr.	Registration No. (Attorney/Agent)	33,558	Telephone	203 324-6155	Signature				Date	8/26/2003
Large Entity Fee Code (\$)	Entity Fee (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																														
105	130	205	65	Surcharge - late filing for or oath																																																																																																																																																																																																															
127	50	227	25	Surcharge - late provisional filing or cover sheet																																																																																																																																																																																																															
139	130	139	130	Non-English specification																																																																																																																																																																																																															
147	2,520	147	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																																															
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																															
113	1,840*	113	1,840	Requesting publication of SIR after Examiner Action																																																																																																																																																																																																															
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																															
116	410	216	205	Extension for reply within second month																																																																																																																																																																																																															
117	930	217	465	Extension for reply within third month																																																																																																																																																																																																															
118	1,450	218	725	Extension for reply within fourth month																																																																																																																																																																																																															
128	1,970	228	985	Extension for reply within fifth month																																																																																																																																																																																																															
119	320	219	160	Notice of Appeal																																																																																																																																																																																																															
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																																																																															
121	280	221	140	Request for oral hearing																																																																																																																																																																																																															
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																															
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																																															
141	1,300	241	650	Petition to revive - unintentional																																																																																																																																																																																																															
142	1,300	242	650	Utility issue fee (or reissue)																																																																																																																																																																																																															
143	470	243	235	Design issue fee																																																																																																																																																																																																															
144	630	244	315	Plant issue fee																																																																																																																																																																																																															
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																															
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																																															
126	240	126	240	Submission of informational Disclosure Stmt																																																																																																																																																																																																															
581	40	581	40	Recording each patent assignment per Property (times number of properties)	40.00																																																																																																																																																																																																														
146	750	246	375	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																															
149	750	249	375	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																															
179	750	279	375	Request for Continued Examination (RCE)																																																																																																																																																																																																															
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																																															
Other fee (specify) _____																																																																																																																																																																																																																			
SUBTOTAL (2) (\$)				SUBTOTAL (3) (\$)																																																																																																																																																																																																															
<p>* Reduced by Basic Filing Fee paid</p> <p>SUBMITTED BY St.Onge Steward Johnston & Reens LLC Complete (if applicable)</p> <table border="1"> <tr> <td>Name (Print Type)</td> <td>Wesley W. Whitmyer, Jr.</td> <td>Registration No. (Attorney/Agent)</td> <td>33,558</td> <td>Telephone</td> <td>203 324-6155</td> </tr> <tr> <td>Signature</td> <td colspan="3"></td> <td>Date</td> <td>8/26/2003</td> </tr> </table>						Name (Print Type)	Wesley W. Whitmyer, Jr.	Registration No. (Attorney/Agent)	33,558	Telephone	203 324-6155	Signature				Date	8/26/2003																																																																																																																																																																																																		
Name (Print Type)	Wesley W. Whitmyer, Jr.	Registration No. (Attorney/Agent)	33,558	Telephone	203 324-6155																																																																																																																																																																																																														
Signature				Date	8/26/2003																																																																																																																																																																																																														

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.